

Department of Radiation Oncology Peer-Reviewed Publications
July 1, 2020, through June 30, 2021

1. Ali O, Challa SR, **Siddiqui OM**, Ali S, Kim RE. [A rare cause of esophagopleural fistula due to intensity-modulated proton therapy: a case report and review of literature.](#) *Clin J Gastroenterol.* 2021 Apr 27. Online ahead of print.
2. Amin NP, Kim SM, **Lasio G**, Zhou J, **Romar L**, **Shipman K**, **Dukes K**, Amin NP. [Incidental coronary artery calcium on breast radiation therapy planning scans identifies patients for cardiac preventive therapy.](#) *Am J Clin Oncol.* 2020;43(11):826-831.
3. Arons D, **Alexander GS**, **Koroulakis AI**, **Zakhary MJ**, **Molitoris JK**, Miller RC, **Regine WF**, **Witek ME**. [Time to treatment analysis of head and neck cancer patients undergoing proton therapy.](#) *Am J Otolaryngol Head Neck Surg.* 2020;3(8):article 1116.
4. Awan MJ, Gittleman H, Barnholtz-Sloan J, Machtay M, Nguyen-Tan PF, Rosenthal DI, Schultz C, Huth BJ, Thorstad WL, Frank SJ, Kim H, Foote RL, Lango MN, Shenouda G, **Suntharalingam M**, Harris J, Zhang Q, Le QT, Yao M; NRG Oncology Group. [Risk groups of laryngeal cancer treated with chemoradiation according to nomogram scores - A pooled analysis of RTOG 0129 and 0522.](#) *Oral Oncol.* 2021 May;116:105241.
5. Bakirci E, Schaefer N, Dahri O, Hrynevich A, **Strissel P**, Strick R, Dalton PD, Villmann C. [Melt electrowritten in vitro radial device to study cell growth and migration.](#) *Adv Biosyst.* 2020 Oct;4(10):e2000077.
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8. **Bentzen SM**, Haviland JS, Yarnold JR. [Targeted intraoperative radiotherapy for early breast cancer.](#) *JAMA Oncol.* 2020 Oct 1;6(10):1636.
9. Bitterman DS, Winter KA, Hong TS, Fuchs CS, **Regine WF**, Abrams RA, Safran H, Hoffman JP, Benson AB 3rd, Kasunic T, Mulcahy M, Strauss JF, DiPetrillo T, Stella PJ, Chen Y, Plastaras JP, Crane CH. [Impact of diabetes and insulin use on prognosis in patients with resected pancreatic cancer: An ancillary analysis of NRG Oncology RTOG 9704.](#) *Int J Radiat Oncol Biol Phys.* 2021 Jan 1;109(1):201-211.
10. Boerma M, Davis CM, **Jackson IL**, Schae D, Williams JP. [All for one, though not one for all: team players in normal tissue radiobiology.](#) *Int J Radiat Biol.* 2021 Jul 1:1-21. Online ahead of print.
11. Breen WG, Jethwa KR, Yu NY, Spears GM, Harmsen WS, **Miller RC**, Ashman JB, Rule WG, Sio TT, Neben-Wittich MA, Haddock MG, Mahipal A, Truty MJ, Hallemeier CL, Merrell KW. [Patient-reported quality of life before and after chemoradiation for intact pancreas cancer: A prospective registry study.](#) *Pract Radiat Oncol.* 2021;11(1):e63-e69.
12. Brown PD, Chung C, Liu DD, **McAvoy S**, Grosshans D, Al Feghali K, Mahajan A, Li J, McGovern SL, McAleer MF, Ghia AJ, Sulman EP, Penas-Prado M, de Groot JF, Heimberger AB, Wang J, Armstrong TS, Gilbert MR, Guha-Thakurta N, Wefel JS. [A prospective phase II randomized trial of proton radiotherapy vs. intensity modulated radiotherapy for patients with newly diagnosed glioblastoma.](#) *Neuro Oncol.* 2021 Feb 27:noab040. Online ahead of print.
13. Bryant CM, Henderson RH, Nichols C, Mendenhall WM, Hoppe BS, Vargas CE, Daniels TB, Choo CR, Parikh RR, Giap H, Slater JD, Vapiwala N, Barrett W, Nanda A, **Mishra MV**, Choi S, Liao JJ, Mendenhall NP. [Consensus statement on proton therapy for prostate cancer.](#) *Int J Part Ther.* 2021 Apr 12.
14. Cardenas CE, Beadle BM, Garden AS, Skinner HD, Yang J, Rhee DJ, **McCarroll RE**, Netherton TJ, Gay SS, Zhang L, Court LE. [Generating high-quality lymph node clinical target volumes for](#)

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- [head and neck cancer radiation therapy using a fully automated deep learning-based approach.](#) *Int J Radiat Oncol Biol Phys.* 2021 Mar 1;109(3):801–812.
15. Carter CL, Parker GA, **Hankey KG**, Farese AM, MacVittie TJ, Kane MA. [MALDI-MSI spatially maps N-glycan alterations to histologically distinct pulmonary pathologies following irradiation.](#) *Sci Rep.* 2020 Jul 14;10(1):11559.
 16. Caturegli I, Molin MD, Laird C, **Molitoris JK**, Bafford AC. [Limited role for routine restaging after neoadjuvant therapy in locally advanced rectal cancer.](#) *J Surg Res.* 2020 Jul 23;256:317–327. Online ahead of print.
 17. Chang Y, Jiang Z, Segars WP, Zhang Z, Lafata K, Cai J, Yin FF, **Ren L.** [A generative adversarial network \(GAN\)-based technique for synthesizing realistic respiratory motion in the extended cardiac-torso \(XCAT\) phantoms.](#) *Phys Med Biol.* 2021 May 31;66(11).
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 19. Chen, R., Yan, T., Ventikos, Y., **Zhou, J.**, eds. (2021). Computational Methods for Translational Brain-Behavior Analysis. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-88966-897-7
 20. **Cherng HR**, Rice SR, Hamza M, Murali S, Rosenblatt P, Tkaczuk KHR, Bellavance E, **Cheston S**, Amin N, **Nichols E.** [Patterns of failure in triple negative breast cancer patients in an urban, predominately black population.](#) *J Racial Ethn Health Disparities.* 2020 Sept 4. Online ahead of print.
 21. Clausen MM, Vogelius IR, Kjær A, **Bentzen SM.** [Multiple testing, cut-point optimization, and signs of publication bias in prognostic FDG-PET imaging studies of head and neck and lung cancer: A review and meta-analysis.](#) *Diagnostics (Basel).* 2020 Dec 1;10(12):1030.
 22. Cohen EP, Farese AM, Parker GA, Kane MA, **MacVittie TJ.** [Lack of cellular inflammation in a non-human primate model of radiation nephropathy.](#) *Health Phys.* 2020 Nov;119(5):588-593.
 23. Das A, Mahapatra S, Bandyopadhyay D, **Samanta S**, Chakraborty S, Philpotts LL, Jahangir E, Roy B. [Bleeding with vascular endothelial growth factor tyrosine kinase inhibitor: A network meta-analysis.](#) *Crit Rev Oncol Hematol.* 2021 Jan;157:103186.
 24. **DeCesaris C, Molitoris JK.** Radiation Therapy in the Management of Pancreatic Cancer. *Imaging Diagnostics in Pancreatic Cancer.* Springer Publishing. 2021.
 25. **DeCesaris C**, Rao A. [Characterizing the risk of vertebral body fractures in patients receiving chemoradiotherapy for esophageal cancer.](#) *JAMA Netw Open.* 2020 Sept 1;3(9):e2014340.
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 27. **DeCesaris CM, Pollock A, Zhang B, Poirier Y, Kowalski E**, Paulosky K, **Mishra MV, Nichols E.** [Assessing the need for adjusted organ-at-risk planning goals for patients undergoing adjuvant radiation therapy for locally advanced breast cancer with proton radiation.](#) *Pract Radiat Oncol.* 2021;11(2):108-118.
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 29. Emadi A, Chua JV, Talwani R, **Bentzen SM**, Baddley J. [Safety and efficacy of imatinib for hospitalized adults with COVID-19: A structured summary of a study protocol for a randomised controlled trial.](#) *Trials.* 2020 Oct 28;21(1):897.
 30. Fung CY, Vapiwala N, Mattes MD, **Mohindra P**, Shah C, Yechieli R, Truong MT, Sanders T, Arnone A, Royce TJ, Ennis RD. [US radiation oncologists \(re\)defined: An American Society for Radiation Oncology scope of practice study.](#) *Int J Radiat Oncol Biol Phys.* 2021;109(2):335-343.

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32. Gogineni E, Cai H, Carillo D, **Rana Z**, Bloom B, Potters L, Gaballa H, Ghaly M. [Computed tomography-based flap brachytherapy for non-melanoma skin cancers of the face.](#) *J Contemp Brachytherapy*. 2021;13(1):51-58.
33. Gogineni E, **Rana Z**, Soberman D, Sidiqi B, D'Andrea V, Lee L, Potters L, Parashar B. [Biochemical control and toxicity outcomes of SBRT vs LDR brachytherapy in the treatment of low and intermediate risk prostate cancer.](#) *Int J Radiat Oncol Biol Phys*. 2021;109(5):1232-1242.
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35. Gogineni E, **Rana Z**, Wotman M, Karten J, Riegel A, Marrero M, Maduro L, Kamdar D, Frank D, Paul D, Seetharamu N, Ghaly M. [Impact of stereotactic body radiation therapy on geriatric assessment and management for older patients with head and neck cancer using G8.](#) *J Geriatr Oncol*. 2021 Jan;12(1):122–127.
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64. **Molitoris JK**, **Alexander GS**, **Siddiqui O**, **Cohen J**, **Mishra MV**, **Rana Z**. [High-risk, recurrent and oligometastatic prostate cancer: recent developments on the role of radiation.](#) *Curr Opin Oncol.* 2021 May 1;33(3):238-243.
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